

COMMUNICATION SERVER APPARATUS PROVIDING
XDSL SERVICES AND METHOD

ABSTRACT OF THE DISCLOSURE

5 A communication system (500) includes a plurality of
subscriber systems (510) coupled to a plurality of
twisted pair data lines (520). Each subscriber system
(510) has an availability guarantee value, which may
specify a level of service for the subscriber system
10 (510). A communication server (502) is coupled to the
plurality of subscriber systems (510). The communication
server (502) selectively couples a subscriber system
(510), responsive to a request for service, to either a
first modem pool (530) or a second modem pool (540) based
15 on the availability guarantee value associated with the
subscriber system (510). Communication server (502) can
also provide a soft-termination state and dynamic network
address allocation for subscriber systems (510).